

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/501, 841
Source: PLT
Date Processed by STIC: 12/08/2005

ENTERED



PCT

RAW SEQUENCE LISTING

DATE: 12/08/2005

PATENT APPLICATION: US/10/501,841

TIME: 10:26:47

Input Set : A:\-144-1-3.app

Output Set: N:\CRF4\12082005\J501841.raw

3 <110> APPLICANT: Gaiger, Alexander
 4 Algate, Paul A.
 5 Mannion, Jane
 6 Clapper, Jonathan David
 7 Wang, Aijun
 8 Ordonez, Nadia
 9 Carter, Lauren
 10 McNeill, Patricia Dianne
 11 Corixa Corporation
 13 <120> TITLE OF INVENTION: Compositions and Methods for the Detection, Diagnosis
 14 and Therapy of Hematological Malignancies
 16 <130> FILE REFERENCE: 014058-014402PC
 18 <140> CURRENT APPLICATION NUMBER: US 10/501,841
 19 <141> CURRENT FILING DATE: 2004-07-14
 21 <150> PRIOR APPLICATION NUMBER: US 10/057,475
 22 <151> PRIOR FILING DATE: 2002-01-22
 24 <150> PRIOR APPLICATION NUMBER: WO PCT/US03/02353
 25 <151> PRIOR FILING DATE: 2003-01-22
 27 <160> NUMBER OF SEQ ID NOS: 124
 29 <170> SOFTWARE: PatentIn Ver. 2.1
 31 <210> SEQ ID NO: 1
 32 <211> LENGTH: 2672
 33 <212> TYPE: DNA
 34 <213> ORGANISM: Homo sapiens
 36 <400> SEQUENCE: 1
 37 cttccagaga gcaatatggc tgggtcccca acatgcctca ccctcatcta taccctttgg 60
 38 cagctcacag ggtcagcagc ctctggaccc gtgaaagagc tggtcggttc cgttggtggg 120
 39 gccgtgactt tccccctgaa gtccaaaagta aagcaagttg actctattgt ctggaccttc 180
 40 aacacaaccc ctcttgtcac catacagcca gaagggggca ctatcatagt gacccaaaat 240
 41 cgtaaatagg agagagtaga cttcccagat ggaggctact ccctgaagct cagcaaactg 300
 42 aagaagaatg actcagggat ctactatgtg gggatataca gctcatcact ccagcagccc 360
 43 tccacccagg agtacgtgct gcatgtctac gagcacctgt caaagcctaa agtcaccatg 420
 44 ggtctgcaga gcaataagaa tggcacctgt gtgaccaatc tgacatgctg catggaacat 480
 45 ggggaagagg atgtgattta tacctggaag gccctggggc aagcagccaa tgagtcccat 540
 46 aatgggtcca tcctccccat ctcttggaag tggggagaaa gtgatatgac cttcatctgc 600
 47 gttgccagga accctgtcag cagaaaacttc tcaagcccca tccttgccag gaagctctgt 660
 48 gaaggtgctg ctgatgaccc agattcctcc atggtcctcc tgtgtctcct gttggtgccc 720
 49 ctctgtctca gtctctttgt actggggcta tttctttggt ttctgaagag agagagacaa 780
 50 gaagagtaca ttgaagagaa gaagagagtg gacatttgtc gggaaactcc taacatatgc 840
 51 cccattctg gagagaacac agagtacgac acaatccctc acactaatag aacaatccta 900
 52 aaggaagatc cagcaaatac ggtttactcc actgtggaaa taccgaaaaa gatggaaaat 960
 53 cccactcac tgctcacgat gccagacaca ccaaggctat ttgcctatga gaatgttatc 1020
 54 tagacagcag tgcactcccc taagtctctg ctcaaaaaaa aaacaattct cggcccaaaag 1080

(pg-6)

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/501,841

DATE: 12/08/2005

TIME: 10:26:47

Input Set : A:\-144-1-3.app

Output Set: N:\CRF4\12082005\J501841.raw

```

55 aaaacaatca gaagaattca ctgatttgac tagaaacatc aaggaagaat gaagaacgtt 1140
56 gacttttttc caggataaat tatctctgat gcttcttttag atttaagagt tcataattcc 1200
57 atccactgct gagaaatctc ctcaaaccaca gaagggtttaa tcacttcac ccaaaaatgg 1260
58 gattgtgaat gtcagcaaac cataaaaaaa gtgcttagaa gtattcctat agaaatgtaa 1320
59 atgcaaggct acacatatta atgacagcct gttgtattaa tgatggctcc aggtcagtgt 1380
60 ctggagtttc attccatccc agggcttgga tgtaaggatt ataccaagag tcttgctacc 1440
61 aggagggcaa gaagaccaa acagacagac aagtccagca gaagcagatg cacctgacaa 1500
62 aaatggatgt attaattggc tctataaact atgtgccag cactatgctg agcttacact 1560
63 aattggtcag acgtgctgct tgccctcatg aaattggctc caaatgaatg aactactttc 1620
64 atgagcagtt gtagcaggcc tgaccacaga ttcccagagg gccagggtgtg gatccacagg 1680
65 acttgaaggt caaagttcac aaagatgaag aatcagggtg gctgaccatg tttggcagat 1740
66 actataatgg agacacagaa gtgtgcatgg cccaaggaca aggacctcca gccaggcttc 1800
67 atttatgcac ttgtgctgca aaagaaaagt ctaggtttta aggctgtgcc agaaccatc 1860
68 ccaataaaga gaccgagtct gaagtcacat tgtaaactca gtgtaggaga cttggagtca 1920
69 ggcagtgaga ctggtggggc acggggggca gtgggtactt gtaaaccctt aaagatggtt 1980
70 aattcattca atagatattt attaagaacc tatgcggccc ggcattggtg ctcacacctg 2040
71 taatcccagc actttgggag gccaagggtg gtgggtcatc tgaggtcagg agttcaagac 2100
72 cagcctggcc aacatggtga aaccccatct ctactaaaga tacaaaaatt tgctgagcgt 2160
73 ggtggtgtgc acctgtaatc ccagctactc gagaggccaa ggcattgagaa tcgcttgaac 2220
74 ctgggaggtg gaggttgtag tgagctgaga tggcaccact gcactccggc ctaggcaacg 2280
75 agagcaaaac tccaatacaa acaaacaaac aaacacctgt gctaggtcag tctggcacgt 2340
76 aagatgaaca tccctacca cacagagctc accatctctt atacttaagt gaaaaacatg 2400
77 gggaagggga aaggggaatg gctgcttttg atatgttccc tgacacatat cttgaatgga 2460
78 gacctcccta ccaagtgatg aaagtgttga aaaacttaat aacaaatgct tgttgggcaa 2520
79 gaatgggatt gaggattatc ttctctcaga aaggcattgt gaaggaattg agccagatct 2580
80 ctctccctac tgcaaaaccc tattgtagta aaaaagtctt ctttactatc ttaataaaac 2640
81 agatattgtg agattcaaaa aaaaaaaaaa aa 2672

```

84 <210> SEQ ID NO: 2

85 <211> LENGTH: 335

86 <212> TYPE: PRT

87 <213> ORGANISM: Homo sapiens

89 <400> SEQUENCE: 2

```

90 Met Ala Gly Ser Pro Thr Cys Leu Thr Leu Ile Tyr Ile Leu Trp Gln
91 1 5 10 15
93 Leu Thr Gly Ser Ala Ala Ser Gly Pro Val Lys Glu Leu Val Gly Ser
94 20 25 30
96 Val Gly Gly Ala Val Thr Phe Pro Leu Lys Ser Lys Val Lys Gln Val
97 35 40 45
99 Asp Ser Ile Val Trp Thr Phe Asn Thr Thr Pro Leu Val Thr Ile Gln
100 50 55 60
102 Pro Glu Gly Gly Thr Ile Ile Val Thr Gln Asn Arg Asn Arg Glu Arg
103 65 70 75 80
105 Val Asp Phe Pro Asp Gly Gly Tyr Ser Leu Lys Leu Ser Lys Leu Lys
106 85 90 95
108 Lys Asn Asp Ser Gly Ile Tyr Tyr Val Gly Ile Tyr Ser Ser Ser Leu
109 100 105 110
111 Gln Gln Pro Ser Thr Gln Glu Tyr Val Leu His Val Tyr Glu His Leu
112 115 120 125
114 Ser Lys Pro Lys Val Thr Met Gly Leu Gln Ser Asn Lys Asn Gly Thr

```

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/501,841

DATE: 12/08/2005

TIME: 10:26:47

Input Set : A:\-144-1-3.app

Output Set: N:\CRF4\12082005\J501841.raw

```

115      130      135      140
117 Cys Val Thr Asn Leu Thr Cys Cys Met Glu His Gly Glu Glu Asp Val
118 145      150      155      160
120 Ile Tyr Thr Trp Lys Ala Leu Gly Gln Ala Ala Asn Glu Ser His Asn
121      165      170      175
123 Gly Ser Ile Leu Pro Ile Ser Trp Arg Trp Gly Glu Ser Asp Met Thr
124      180      185      190
126 Phe Ile Cys Val Ala Arg Asn Pro Val Ser Arg Asn Phe Ser Ser Pro
127      195      200      205
129 Ile Leu Ala Arg Lys Leu Cys Glu Gly Ala Ala Asp Asp Pro Asp Ser
130      210      215      220
132 Ser Met Val Leu Leu Cys Leu Leu Leu Val Pro Leu Leu Leu Ser Leu
133 225      230      235      240
135 Phe Val Leu Gly Leu Phe Leu Trp Phe Leu Lys Arg Glu Arg Gln Glu
136      245      250      255
138 Glu Tyr Ile Glu Lys Lys Arg Val Asp Ile Cys Arg Glu Thr Pro
139      260      265      270
141 Asn Ile Cys Pro His Ser Gly Glu Asn Thr Glu Tyr Asp Thr Ile Pro
142      275      280      285
144 His Thr Asn Arg Thr Ile Leu Lys Glu Asp Pro Ala Asn Thr Val Tyr
145      290      295      300
147 Ser Thr Val Glu Ile Pro Lys Lys Met Glu Asn Pro His Ser Leu Leu
148 305      310      315      320
150 Thr Met Pro Asp Thr Pro Arg Leu Phe Ala Tyr Glu Asn Val Ile
151      325      330      335
154 <210> SEQ ID NO: 3
155 <211> LENGTH: 834
156 <212> TYPE: DNA
157 <213> ORGANISM: Homo sapiens
159 <400> SEQUENCE: 3
160 ttgtaagata ttacttgtcc ttccaggctg ttctttctgt agctcccttg ttttcttttt 60
161 gtgatcatgt tgcagatggc tgggcagtg tcccaaatg aatattttga cagtttggtg 120
162 catgcttgca taccttgtca acttcgatgt tcttctaata ctctcctct aacatgtcag 180
163 cgttattgta atgcaagtgt gaccaattca gtgaaaggaa cgaatgcat tctctggacc 240
164 tgtttgggac tgagcttaat aatttctttg gcagttttcg tgctaattgt tttgctaagg 300
165 aagataagct ctgaaccatt aaaggacgag tttaaaaaca caggatcagg tctcctgggc 360
166 atggctaaca ttgacctgga aaagagcagg actggtgatg aaattattct tccgagaggc 420
167 ctcgagtaca cggtggaaga atgcacctgt gaagactgca tcaagagcaa accgaaggtc 480
168 gactctgacc attgctttcc actcccagct atggaggaag gcgcaaccat tcttgtcacc 540
169 acgaaaacga atgactattg caagagcctg ccagctgctt tgagtgtctac ggagatagag 600
170 aaatcaatth ctgctaggta attaaccatt tgcactcgag cagtgccact ttaaaaatct 660
171 tttgtcagaa tagatgatgt gtcagatctc tttaggatga ctgtattttt cagttgccga 720
172 tacagctttt tgtcctctaa ctgtggaaac tctttatggt agatatattt ctctaggtta 780
173 ctggtgggag cttaatggta gaaacttctt tggtttctat gattaaagtc tttt 834
176 <210> SEQ ID NO: 4
177 <211> LENGTH: 184
178 <212> TYPE: PRT
179 <213> ORGANISM: Homo sapiens
181 <400> SEQUENCE: 4

```

RAW SEQUENCE LISTING

DATE: 12/08/2005

PATENT APPLICATION: US/10/501,841

TIME: 10:26:47

Input Set : A:\-144-1-3.app

Output Set: N:\CRF4\12082005\J501841.raw

```

182 Met Leu Gln Met Ala Gly Gln Cys Ser Gln Asn Glu Tyr Phe Asp Ser
183   1           5           10           15
185 Leu Leu His Ala Cys Ile Pro Cys Gln Leu Arg Cys Ser Ser Asn Thr
186           20           25           30
188 Pro Pro Leu Thr Cys Gln Arg Tyr Cys Asn Ala Ser Val Thr Asn Ser
189           35           40           45
191 Val Lys Gly Thr Asn Ala Ile Leu Trp Thr Cys Leu Gly Leu Ser Leu
192           50           55           60
194 Ile Ile Ser Leu Ala Val Phe Val Leu Met Phe Leu Leu Arg Lys Ile
195   65           70           75           80
197 Ser Ser Glu Pro Leu Lys Asp Glu Phe Lys Asn Thr Gly Ser Gly Leu
198           85           90           95
200 Leu Gly Met Ala Asn Ile Asp Leu Glu Lys Ser Arg Thr Gly Asp Glu
201           100          105          110
203 Ile Ile Leu Pro Arg Gly Leu Glu Tyr Thr Val Glu Glu Cys Thr Cys
204           115          120          125
206 Glu Asp Cys Ile Lys Ser Lys Pro Lys Val Asp Ser Asp His Cys Phe
207           130          135          140
209 Pro Leu Pro Ala Met Glu Glu Gly Ala Thr Ile Leu Val Thr Thr Lys
210  145          150          155          160
212 Thr Asn Asp Tyr Cys Lys Ser Leu Pro Ala Ala Leu Ser Ala Thr Glu
213           165          170          175
215 Ile Glu Lys Ser Ile Ser Ala Arg
216           180
219 <210> SEQ ID NO: 5
220 <211> LENGTH: 1339
221 <212> TYPE: DNA
222 <213> ORGANISM: Homo sapiens
224 <400> SEQUENCE: 5
225 ttgcactcta gaagggacaa tggacttctg gctttggcca ctttacttcc tgccagtatc 60
226 gggggccctg aggatcctcc cagaagtaaa ggtagagggg gagctgggcg gatcagttac 120
227 catcaagtgc ccacttctcg aaatgcatgt gaggatatac ctgtgccggg agatggctgg 180
228 atctggaaca tgtggtaccg tggtatccac caccaacttc atcaaggcag aatacaaggg 240
229 ccgagttact ctgaagcaat acccacgcaa gaatctgttc ctagtggagg taacacagct 300
230 gacagaaaagt gacagcggag tctatgcctg cggagcgggc atgaacacag accggggaaa 360
231 gacccagaaa gtcaccctga atgtccacag tgaatacgag ccatcatggg aagagcagcc 420
232 aatgcctgag actccaaaat ggtttcatct gccctatttg ttccagatgc ctgcatatgc 480
233 cagttcttcc aaattcgtaa ccagagttac cacaccagct caaaggggca aggtccctcc 540
234 agttcaccac tctcccccca ccacccaaat caccaccgc cctcgagtgt ccagagcatc 600
235 ttcagtagca ggtgacaagc cccgaacctt cctgccatcc actacagcct caaaaatctc 660
236 agctctggag gggctgctca agccccagac gccagctac aaccaccaca ccaggctgca 720
237 caggcagaga gcactggact atggctcaca gtctgggagg gaaggccaag gatttcacat 780
238 cctgatcccg accatcctgg gccttttctt gctggcactt ctggggctgg tggtgaaaag 840
239 ggccgttgaa aggaggaaaag ccctctccag gcggggccgc cgactggccg tgaggatgcg 900
240 cgccctggag agctcccaga ggccccgcgg gtgcgcgcga ccgcgctccc aaaacaacat 960
241 ctacagcgcc tgccccgcgg gcgctcgtgg agcggacgct gcaggcacag gggaagcccc 1020
242 cgttcccggc cccggagcgc cgttgcccc cgccccgctg caggtgtctg aatctccctg 1080
243 gctccatgcc ccatctctga agaccagctg tgaatacgtg agcctctacc accagcctgc 1140
244 cgccatgatg gaggacagtg attcagatga ctacatcaat gttcctgcct gacaactccc 1200

```

RAW SEQUENCE LISTING

DATE: 12/08/2005

PATENT APPLICATION: US/10/501,841

TIME: 10:26:47

Input Set : A:\-144-1-3.app

Output Set: N:\CRF4\12082005\J501841.raw

```

245 cagctatccc ccaaccccag gctcggactg tgggtgccaag gagtctcatc tatctgctga 1260
246 tgtccaatac ctgcttcacg tgttctcaga gccctcatca ttcccatgcc ccatctcgat 1320
247 cccatcccca tctatctgt 1339
250 <210> SEQ ID NO: 6
251 <211> LENGTH: 390
252 <212> TYPE: PRT
253 <213> ORGANISM: Homo sapiens
255 <400> SEQUENCE: 6
256 Met Asp Phe Trp Leu Trp Pro Leu Tyr Phe Leu Pro Val Ser Gly Ala
257 1 5 10 15
259 Leu Arg Ile Leu Pro Glu Val Lys Val Glu Gly Glu Leu Gly Gly Ser
260 20 25 30
262 Val Thr Ile Lys Cys Pro Leu Pro Glu Met His Val Arg Ile Tyr Leu
263 35 40 45
265 Cys Arg Glu Met Ala Gly Ser Gly Thr Cys Gly Thr Val Val Ser Thr
266 50 55 60
268 Thr Asn Phe Ile Lys Ala Glu Tyr Lys Gly Arg Val Thr Leu Lys Gln
269 65 70 75 80
271 Tyr Pro Arg Lys Asn Leu Phe Leu Val Glu Val Thr Gln Leu Thr Glu
272 85 90 95
274 Ser Asp Ser Gly Val Tyr Ala Cys Gly Ala Gly Met Asn Thr Asp Arg
275 100 105 110
277 Gly Lys Thr Gln Lys Val Thr Leu Asn Val His Ser Glu Tyr Glu Pro
278 115 120 125
280 Ser Trp Glu Glu Gln Pro Met Pro Glu Thr Pro Lys Trp Phe His Leu
281 130 135 140
283 Pro Tyr Leu Phe Gln Met Pro Ala Tyr Ala Ser Ser Ser Lys Phe Val
284 145 150 155 160
286 Thr Arg Val Thr Thr Pro Ala Gln Arg Gly Lys Val Pro Pro Val His
287 165 170 175
289 His Ser Ser Pro Thr Thr Gln Ile Thr His Arg Pro Arg Val Ser Arg
290 180 185 190
292 Ala Ser Ser Val Ala Gly Asp Lys Pro Arg Thr Phe Leu Pro Ser Thr
293 195 200 205
295 Thr Ala Ser Lys Ile Ser Ala Leu Glu Gly Leu Leu Lys Pro Gln Thr
296 210 215 220
298 Pro Ser Tyr Asn His His Thr Arg Leu His Arg Gln Arg Ala Leu Asp
299 225 230 235 240
301 Tyr Gly Ser Gln Ser Gly Arg Glu Gly Gln Gly Phe His Ile Leu Ile
302 245 250 255
304 Pro Thr Ile Leu Gly Leu Phe Leu Leu Ala Leu Leu Gly Leu Val Val
305 260 265 270
307 Lys Arg Ala Val Glu Arg Arg Lys Ala Leu Ser Arg Arg Ala Arg Arg
308 275 280 285
310 Leu Ala Val Arg Met Arg Ala Leu Glu Ser Ser Gln Arg Pro Arg Gly
311 290 295 300
313 Ser Pro Arg Pro Arg Ser Gln Asn Asn Ile Tyr Ser Ala Cys Pro Arg
314 305 310 315 320
316 Arg Ala Arg Gly Ala Asp Ala Ala Gly Thr Gly Glu Ala Pro Val Pro

```

RAW SEQUENCE LISTING ERROR SUMMARY

DATE: 12/08/2005

PATENT APPLICATION: US/10/501,841

TIME: 10:26:48

Input Set : A:\-144-1-3.app

Output Set: N:\CRF4\12082005\J501841.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:16; N Pos. 9
Seq#:22; N Pos. 971,975,997,1060
Seq#:30; N Pos. 488,518
Seq#:36; N Pos. 488,518
Seq#:37; Xaa Pos. 5,82
Seq#:38; N Pos. 340,529,534,547
Seq#:41; N Pos. 13,50,82,85,100
Seq#:49; N Pos. 152,174,180
Seq#:50; Xaa Pos. 50,58,60
Seq#:51; N Pos. 152,174,180
Seq#:52; Xaa Pos. 50,58,60
Seq#:67; N Pos. 16
Seq#:72; N Pos. 519
Seq#:78; N Pos. 150,183,523
Seq#:90; N Pos. 525,533
Seq#:96; N Pos. 1619,1628
Seq#:98; N Pos. 271,283,311
Seq#:105; N Pos. 19,67,109
Seq#:110; N Pos. 467
Seq#:112; N Pos. 90,137,161

VERIFICATION SUMMARY

DATE: 12/08/2005

PATENT APPLICATION: US/10/501,841

TIME: 10:26:48

Input Set : A:\-144-1-3.app

Output Set: N:\CRF4\12082005\J501841.raw

L:1195 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:0
L:1743 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:960
L:1744 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:1020
L:2147 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30 after pos.:480
L:2524 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36 after pos.:480
L:2539 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37 after pos.:0
L:2554 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37 after pos.:80
L:2574 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38 after pos.:300
L:2577 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38 after pos.:480
L:2578 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38 after pos.:540
L:2702 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41 after pos.:0
L:2703 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41 after pos.:60
L:3184 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:49 after pos.:120
L:3208 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:50 after pos.:48
L:3225 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:51 after pos.:120
L:3249 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:52 after pos.:48
L:3932 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:67 after pos.:0
L:4077 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:72 after pos.:480
L:4323 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:78 after pos.:120
L:4324 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:78 after pos.:180
L:4329 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:78 after pos.:480
L:5360 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:90 after pos.:480
L:5627 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:96 after pos.:1560
L:5628 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:96 after pos.:1620
L:5694 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:98 after pos.:240
L:5695 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:98 after pos.:300
L:5919 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:105 after pos.:0
L:5920 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:105 after pos.:60
L:6237 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:110 after pos.:420
L:6270 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:112 after pos.:60
L:6271 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:112 after pos.:120